DNGA-230.100 Double Level Control Unit

Input: 4 resistance inputs

Outputs: 2 Relays

Front-adjustable input sensitivity

Galvanic separation

Power supply 230 V

Min./Max. Level registration

Description

The Double Level Control Unit has two independent, galvanically separated electrical circuits. Each circuit controls a relay with Normally Open contacts. The status of each relay changes as a function of the two resistance inputs.

The two inputs act with a hysteresis. The sensibility of the relay circuit can be adjusted from the front of the module. LED´s indicates an activated relay.

The module can be used as an evaluation module for LSKx2x or LSKx5x sensors. Please refer to the application example(s).

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Technical Data

Input

Range	7...100 KOhm (Adjustable)
Probe voltage	24Vac
Probe current	4 mA

Environmental conditions

Operating temperature	-20...50°C
Storage temperature	-50...85°C
Humidity	< 85% RH, non-condensing

EMC data

Generic standards	EN 61000-6-3, EN 61000-6-2
LVD standards	EN 61010-1, EN60204-1

Mechanical data

Dimensions	91.5 x 98 x 35 mm
DIN-rail mounting	DIN 46277
Protection class	Housing: IP 20
Weight	0.325 kg

Power Supply

Supply range	230 Vac (+10 /-15%)
Frequency	50/60 Hz
Power consumption	15 mA

Output Relay

Resistive load	AC: 250 V / 10 A DC: 200 V / 0.4 A DC: 24 V / 10 A
Inductive load	AC: 250 V / 5 A DC: 24 V / 5 A
Mechanical life cycle	> 30 x 10^6 operations
Operation voltage	250...440 Vac

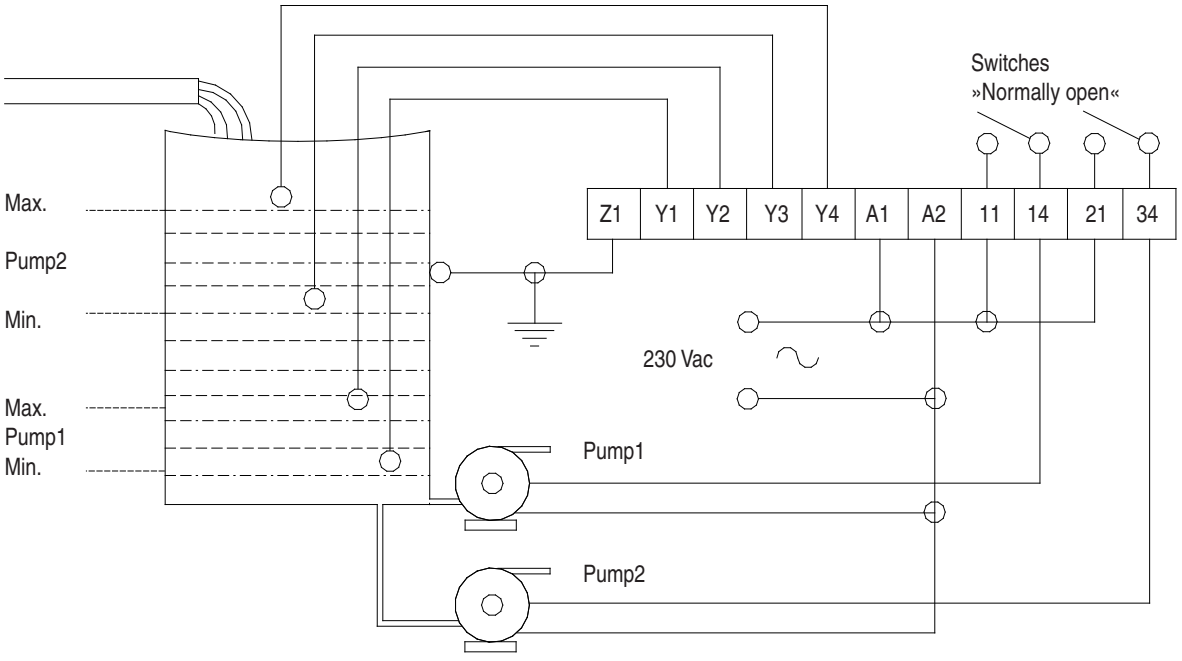
Disposal of product and packing

According to national laws or by returning to Baumer

Ordering Details

Type no. **DNGA-230.100**

Application Example



Example 1

A tank is being filled with waste water. Pump1 is supplying a filter unit.
Pump2 is securing the tank from overflowing.
Tank: Metal
Ground: Via the LSK process connection
Instrument: LSK 250, 4 coated rods.
< Y1 level: Stop Pump1
≥ Y2 level: Start Pump1
< Y3 level: Stop Pump2
≥ Y4 level: Start Pump2